



SERVER

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create the table,  
i.e., shared mem  
file

Clients maps  
shared memory to  
its address space

send name and  
size of shared  
memory file to  
client

Server adds more  
data to shared  
table

send message to  
client giving new  
size info

On message from  
server map the  
increased size in  
shared memory

Fig. 1

MANAGING SHARED MEMORY IN  
MULTIPROCESSING VIRTUAL MEMO  
ENVIRONMENT

Inventor: Podila, et al.

SHEET 2 OF 3



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SERVER

CLIENT

server adds more  
data to shared  
table

server accesses  
PIDs of all clients  
attached to shared  
memory

server uses  
`mmap_peer()` to  
map added shared  
memory into address  
space of all clients

Fig. 2



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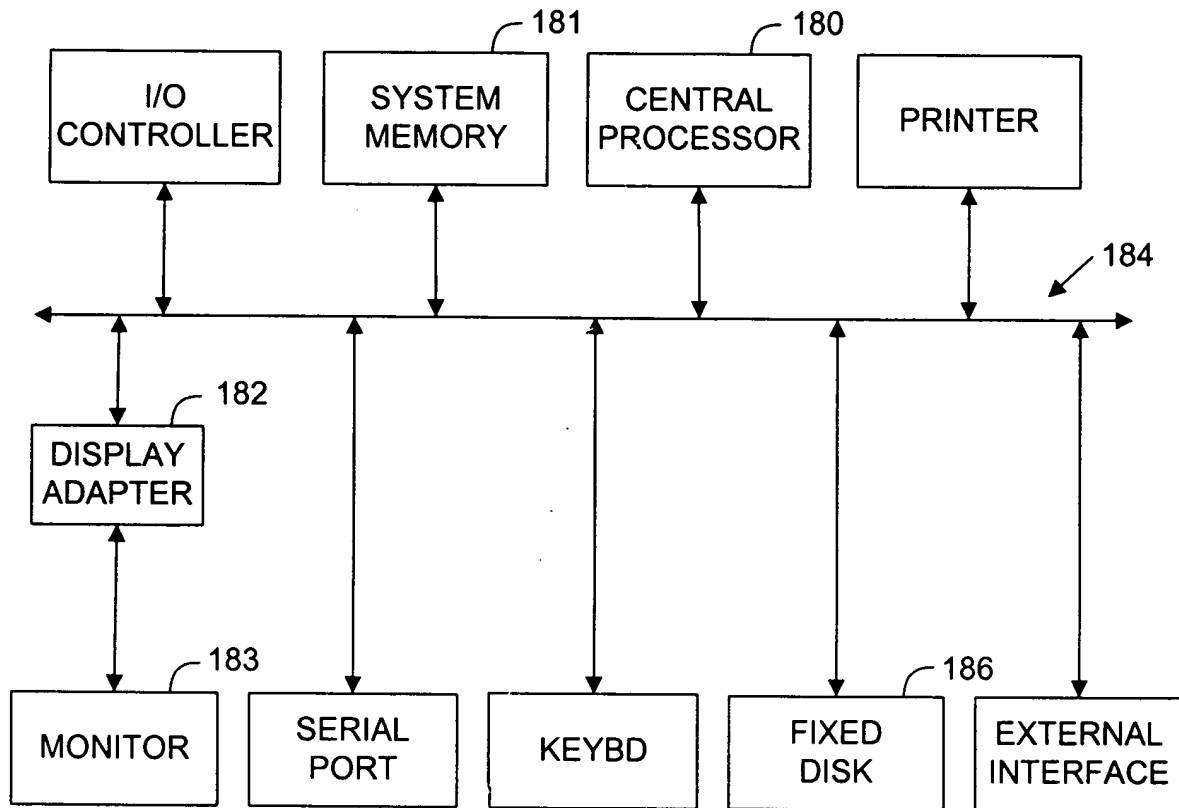


Fig. 3